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CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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50X1-HUM

COUNTRY Germany (Russian Zone)

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GERMANY/RUSSIAN ZONE

Economic

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SAG Nitrogen Works **PIESTERITZ** (formerly **Bayrische Stick-**
stoffwerke AG). 

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1. Layout of the plant

Herewith is a plan of the factory area dated February 1948 and
 signed by engineer WINTER. The scale is 1: 2500.



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2. General organization

The organization of this works is as follows:

a. Management

Director : **HALKE** (Fru) ~ Russian
 " : **DEMCHENKOW** (") ~ "
 Administrative Director: **BUCHACZEW** (") ~ "
BUCHACZEW ?

b. Man power

Workers : 3800
 Administrative personnel: 300
 engineers : 100
 chemists : 50

c. Shifts

3 shifts - 6.00 - 14.00
 14.00 - 22.00
 22.00 - 6.00

d. Power

Electric current is supplied from **ESCHENHEWITZ**.

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2. General organization cont.a. Security

(1) Guards : 50 WP

(ii) Fire-brigade: 30 WP with water pump, foam extinguishers and ambulance.

f. Building plans for 1951

- 1 carbide furnace
- 1 phosphorous "
- 1 aniline installation
- 1 "melamine" "
- 1 weak acid (Schwachsäure) installation
- 1 silicon washing and sifting works
- 1 lime-kiln

3. Production

The following is a list of products, the plan figure for which is only mentioned in 3 instances:

<u>Product</u>	<u>Plan</u>	<u>Actual</u>
standard carbide		14,200 tons
crude calcium cyanamide (lime nitrogen ?)	10,000 tons	2,000 "
silicon carbide	100 "	15 "
"Backtreibmittel"		62 "
"Kornsta" phosphate		50 "
tribasic sodium phosphate		160 "
pyrophosphate		50 "
phosphoric acid		170 "
"Plathern"	10,000 m ³	8,000 m ³
carbon black (lamp black ?) ("Ruße")		1,200 tons
urea (carbamide) ("Karbostoff")		150 "
"Dicyandiamide"		90 "
bulk plastic ("Pressstoffmasse")		135 "
glue		160 "
fused cyanide ("Cyankidgelmasse")		110 "

(cont.)

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3. Production cont.

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compressed oxygen	280,000 m ³
liquid " "	80,000 l
gun-lack	20 tons
cyanic gas ("Cyanogas")	$\frac{1}{2}$ "
acetone	6 $\frac{1}{2}$ "
acetophane ("Acetophan")	1.3 "

4. Development of the explosives plant.

Within the factory complex a plant for the manufacture of high explosives is being erected in two newly built shops. These, which have been built by the firm P. GRESSE, WITTENBERG/ELBE, are steel constructions measuring 25 x 78 metres with an internal roof clearance of 17 metres. Glazing consists of glass tiles only. The upper lights in the construction are filled with frosted glass with wire meshing. The floor is made of wood concrete (Holzbeton) covered by plates of Buna rubber. These latter are also used to cover those parts of the foundation which have been raised above floor level in order to take the machines and apparatus.

The electric lighting is everywhere placed behind air-tight glass walls. The lighting plants and all electric switch apparatus can only be reached from outside the building.

The machines and apparatus in each shop are driven by two shaftings (Transmissionen) running the length of the shops, these shaftings in their turn being driven by 4 electric motors with 8-fold rubber V-belts stationed outside.

All driving gear is being supplied by the BAMAG (Berlin-Anhaltischer Maschinenbau A.G., IESSAU) which is also erecting the machinery and apparatus in the shops which need to be machine driven. Directed by former employees of the chemical department "Abt. 6" of BAMAG/MAGN A.G., BERLIN, BAMAG/IESSAU has equipped a department for the construction of chemical plant. Engineers and chemists detached to IESSAU from the BUNA Works (LEUNA Works) are also working here.

BAMAG/IESSAU is also making the greater part of the machinery, apparatus and equipment necessary for the manufacture of explosives in FIESTERITZ.

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These are mills, containers, autoclaves and other chemical apparatus the particular uses of which are not yet known.

An autoclave for the explosives factory is being developed in DESSAU. It will have a working pressure of 200 "Atü" and a working temperature within the autoclave of 600°, and Mark V 2a steel, obtained from W. GERMANY in the middle of 1950, is being used for its construction. The heating of the various apparatus in the shops is done by super-heated steam brought to both shops in pipes heavily insulated by glass-wool and infusorial earth (Kieselgur).

Fulminate of mercury is already being produced in one of the shops, the raw material coming from IDRIA in JUGOSLAVIA, which name appears on the packing as place of origin. Consignments arrive in closed goods wagons bearing the distinguishing mark MAV (HUNGARY).

The fulminate of mercury manufactured at PIESTERITZ is taken to SOHL in THURINGIA.

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